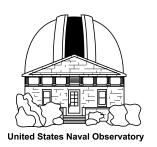


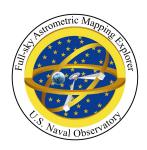


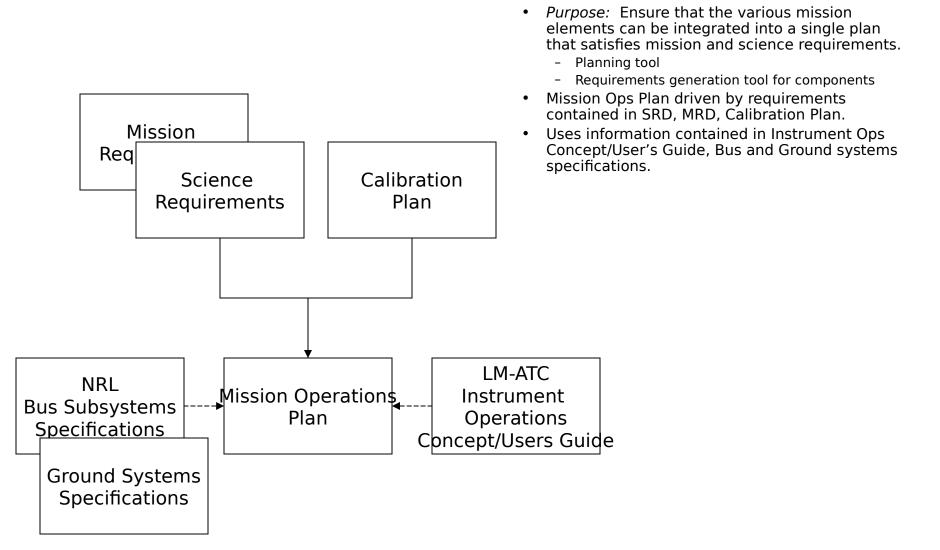
Mission Operations Working Group Status

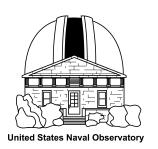
June 2001 Technical Interchange Meeting



Relation to Other Program Documents

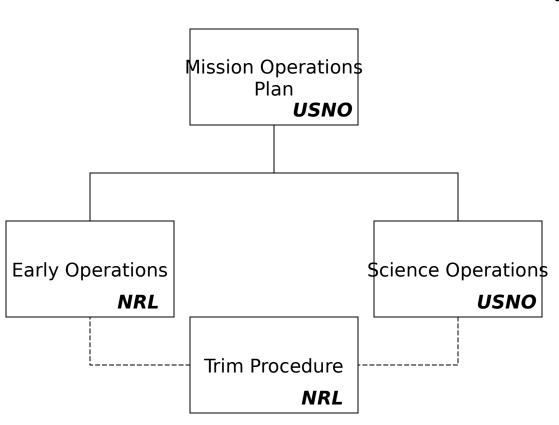






What's in the Mission Ops Plan?





Mission Operations Plan

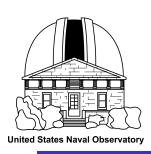
- Integrated document
- Early Operations Phase
 - Led by Klein/NRL
 - Early operations timeline and appropriate, related information
 - Include instrument-related events specified by LM-ATC and USNO

- Trim Procedure

- Led by DeLaHunt/NRL
- Describes procedure for final trim manuever
- Includes heavy input from LM-ATC and USNO

- Science Operations Phase

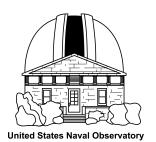
- Led by Dorland/Gaume/USNO
- Describes nominal timeline, schedules, procedures to be executed in Science Phase
- Coordinated with NRL and LM-ATC.



Status



Section	Lead	Status
Early Operations Phase	Klein/NRL	Draft timeline (to be briefed)
Trim Procedure	DeLaHunt/NRL	Draft timeline and procedures- DeLaHunt to discuss this in ADCS presentation. More iterations required to understand instrument/attitude alignment and final trim procedures
Science Operations Phase	Dorland/USNO	Collecting information, side meeting



Science Activities (Preliminary)



Early Operations Phase—Science Events

- 1. Heaters
- Turned on at TBD
- Turned off at TBD--end of outgassing
- 2. Perform Instrument Functional Tests
- Flat field test--CCD checkout
- Flat field test trending
- Bias frames with aperture doors closed
- Trending of bias frames
- Focus change frequency monitoring for outgassing monitoring
- Focus adjustment
- Charge Injection
- 2. Ground Command Tests
- Mode/State Changes
- TDI rate changes
- Catalog uploads
- 3. Issues:
- Will we be able to focus with heaters on?

Science Operations Phase-Schedule

Second

1. Update one star per second in onboard catalog.

Daily

1. Charge injection test once per day per ccd.

Weekly

- 1. Photometric calibration observations on all ccds, $m_v = [9,15]$, full coverage every week. (are these observations restricted to photometric reference stars?)
- 2. Photometric calibration observations on ND filtered ccs, $m_v = [5,8]$,
- 3. Flat field observation once per week per chip.
- 4. TBD dark field (star free) observations (window size?) once per week per chip.
- 5. TBD observations of $m_v = [9,15]$ in "sweet spot of distortion"

Monthly

- 6. Observations of photometric reference stars made with different gain settings for the purpose of gain calibration.
- 7. 600 x 600 raster (? Calibration plan says only "Big 2-D raster") observations including multiple science targets with full magnitude range.